

GORDON CONSULTING INC.

Marla Bay Static Rock Revetment Projects

Application for 401 Certification by NDEP

Project Description (applies to multiple properties)¹

Supplemental information specific to each property will be included with individual applications

Address	APN
608 Lake Shore	1318-09-810-023
610 Lake Shore	1318-09-810-022
612 Lake Shore	1318-09-810-021
620 Lake Shore	1318-09-810-019
622 Lake Shore	1318-09-810-018
628 Lake Shore	1318-09-810-015
630 Lake Shore	1318-09-810-014

Project Purpose:

In March 2024, heavy wind events and the erosion and offshore transport of approx. 3.5' depth of beach area in recent years, combined with consistently high lake levels, led to the collapse/damage of the frontage/existing revetments for numerous properties in Marla Bay, and erosion has continued since that time while parties have been working with the Tahoe Regional Planning Agency (TRPA) and others to determine a revetment design that will meet their requirements and obtain necessary approvals.

The proposed shoreline revetment includes three 'components':

- 1) Installation of a sheet pile wall if not completed in December 2025 (sheet pile to be hammered down below grade upon final revetment construction);
- 2) Installation/completion of a static rock revetment; and
- 3) Installation of a dynamic rock revetment.²

¹ Although individual certifications are being requested, due to the similar nature of the projects on all affected properties, this description has been prepared to cover all properties. Individual property details will be provided in a separate description to be included with this application.

² Required by TRPA to mitigate shoreline erosion. The proposed design is included with this application.

The sheet pile walls were hammered in and left partly above grade per US Army Corp. of Engineers Verification SPK-1997-25337 per RGP 8 (expiring on 12/25/2025), therefore individual Certifications were not required.

This Certification Application is being submitted to obtain approvals to construct the remaining components. Detailed information specific to the status and remaining components on each property are being provided in a separate description with this application.

Site conditions:

Existing conditions include significantly eroded parcels, eroding tree roots, unsafe areas, lack of access to the shoreline, and failing/potentially failing structures. In most cases the sheet pile component has been installed and left approx. 4' above grade; this has helped protect eroded areas from wave action. Detailed information specific to the status and remaining components on each property are being provided in a separate description with this application.

Describe the proposed activity including methodology of each project element:

Construction access will occur either by a barge on the lake or from a staging in the upland depending on property conditions. At this time, property access is proposed as follows:

- 608 – lake access
- 610 – lake access
- 612 – lake access with potential partial upland access TBD
- 620 – lake access
- 622 – lake access
- 628 – lake access
- 630 – lake access

Upland construction methodology:

Construction fencing/silt fencing will be installed around construction access paths, equipment staging/access, and temporary material storage areas.

Contractor will excavate material that has accumulated behind the sheet pile due to ongoing erosion of the unprotected eroded properties to the extent required to key in the base of the static revetment to approx. 18" below grade (at time of construction). The static revetment will be installed with an excavator.³ Sheet pile will be hammered to 6" below grade using a vibratory hammer.

³ Material will be hauled away to a TRPA-approved facility or used onsite depending on individual property conditions.

Disturbed areas in the upland will be revegetated and/or repaired to reflect existing conditions or coverage as determined by final TRPA approval.

Lake access construction methodology:

Construction fencing/silt fencing will be installed around pedestrian construction access paths on the property as needed. Erosion control fencing will be installed around temporary material storage/staging areas as noted on plans.

Rock materials will be loaded on a barge and transported to the area from other locations (depending on contractor). Or, with owner permission, material may be hauled from Lake Shore Blvd. across an undeveloped portion of private property.

Methodology will vary depending on lake levels and beach elevations at the time of construction. The water level and height of sand on the beach can change significantly within a short period of time. It is impossible to predict what the conditions will be in several months or longer based on when necessary approvals are obtained. Potential methods include:

- High lake level with less beach area:
 - If reach allows, the excavator will remain on the barge and reach across the beach area to install the rock revetment and hammer down the sheet pile. Barge would be held in place with spuds and/or a combination of partial placement of the barge against the beach on east side and spuds.

- Low lake level with more beach area:
 - Under these conditions, the barge would be located as close as feasible to the property and steel railing and sheets would be placed on the beach. This would involve two ramps approx. 21' x 27" wide set on an approx. 11' x 7'6" wide steel plate resting on the beach. Dimensions may vary based on water levels and Contractor. The excavator would drive to the sheets on the beach for operation and be placed on the barge when not in use. Images below show this method as previously approved and utilized in Marla Bay:



Equipment cleaning/fueling:

Equipment will be cleaned prior to use on Lake Tahoe. All equipment fueling, storage of fuels, and maintenance will be located offsite.

Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:

Static rock revetments will be comprised of boulders varying in size as noted on the Sections in the enclosed plans. The sheet piles were mostly installed along the HWL and static rock materials will be placed landward of the sheet piles. During or after completion of the static rock revetment, the sheet piles will be hammered to 6" below existing grade; this is not expected to result in any new temporary discharge.

The dynamic revetment will be located lakeward of the static revetment (and in most cases entirely below the HWL). The dynamic revetment is required by TRPA to mitigate littoral sand movement. By its very nature, the dynamic revetment is designed to absorb/break up wave action in front of the static revetments and the materials will shift over time. The proposed design (not yet approved by TRPA) is intended to allow for maintenance without the need for a barge/lake access (and the permits this would entail) and generally should be able to be accomplished on foot. This will allow owners to keep up with maintenance of the dynamic revetment as shifting occurs, which can happen with just one storm event. Immediate maintenance will also allow owners to reposition dynamic rock components before wave action can draw them farther into Lake Tahoe. The method is also designed to work within the parameters of property ownership in the area, as the owner of the littoral parcel that lies in front of all of the subject properties, the Marla Bay Protective Association (MBPA), has stated that any materials which are pulled onto their littoral parcel must be moved off of it immediately.

The specific types and volume of discharge vary for each property and will be provided with each individual application.

Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:

- Start date:
 - As soon as Certification and other permits are received. This Certification will determine the start period as other approvals have shorter processing times.
 - The owners would like to complete this portion next spring before the end of June when the Marla Bay beach area is off limits to construction (between late June – Labor Day) due to beach use/boats and the MBPA’s restriction on construction access during that time. In this case, work would start as soon as approvals are obtained in spring 2026 and either be completed or temporarily paused in late June. If not completed, work would resume after Labor Day when the MBPA would allow construction access to resume.
- End date:
 - The end date will depend on when construction can begin and weather conditions at that time. Pending weather and/or other limitations (e.g. MBPA limits on access), construction of the revetment is estimated to take 3-4 weeks.

Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:

- TRPA – have emergency authorization
- Douglas County – have permit
- US Army Corp – Notification request under RGP 4 (new submittal)
- NDEP Construction Stormwater – have permit
- NDEP Working in Waterways –new applications will be submitted

- NV State Lands – previously advised permit required after construction

Total area of impact to regulated waterbodies (acres):

This information will be provided specific to each property in individual applications.

Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters:

- Active visual monitoring will be conducted, and controls will be revised as needed.
- All construction access will be defined by erosion control fencing and vegetation protection fencing where necessary to protect vegetation.
- Equipment will be inspected daily for spotting leaks and repaired immediately.
- All equipment will be cleaned prior to entering Lake Tahoe.
- Any materials that fall into the lake will be cleared and disposed of appropriately.
- All land vehicles shall remain on existing paved or compacted dirt areas or areas secured for temporary equipment use if necessary.
- Areas disturbed by construction (including truck and equipment staging, truck loading, etc.), activity shall be re-vegetated in accordance with the TRPA Handbook of Best Management Practices and Living with Fire, Lake Tahoe Basin, Second Edition.
- Temporary construction fencing will be placed as noted on plans.
- Silt fencing will be installed below the sheet pile walls. Depending on lake level, a turbidity curtain may be used.
- A Stormwater Pollution Prevention Plan (SWPP) will be prepared prior to construction as required by NDEP's Construction Stormwater Permit.

Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:

- The design of the revetments is the minimal amount necessary to provide for sufficient structural integrity and to meet design requirements of the TRPA.
- Foot access will be from the south or north side of the residences (varies by property). All upland construction access will be defined by temporary construction fencing.
- Construction workers will work below the slope to install the filter fabric, BMPs, and complete any required hand work.
- Where staging will occur on a barge, the plans include a staging up slope on the private lots to be used as temporary rock storage if needed.

GORDON CONSULTING INC.

Marla Bay Static Rock Revetment Projects

Application for 401 Certification by NDEP

Supplemental Information

[630 Lake Shore Blvd., 1318-09-810-014](#)

This document provides site-specific information to accompany the general project description included with this NDEP application.

The sheet pile was hammered in per the RGP 8 approved by the Army Corp of Engineers (SPK-1997-25337) and remains approx. 2-4' above grade (the grade varies with the inflow and outflow of sand). Construction access is anticipated to be by barge. As discussed in the General Project Description, there are two methods proposed for barge access (the excavator will either reach across the beach while remaining on the barge or will place steel plates on the beach and access from these steel plates) due to the variations in lake level that occur.

This application includes both the static revetment and dynamic revetment. Construction may occur in two phases subject to approval of the final dynamic revetment by TRPA.

Amount of discharge and Excavation:

The engineer provided the table included here. Information also shown on Sheet T1.

CUT/FILL VOLUMES:

Distance of impact to regulated waterbodies (linear feet):

- 630 LS: 65 linear ft.

FILL	
Static Above HWL	455
Static Below HWL	13
Dynamic Above HWL	0
Dynamic Below HWL	202
Total Fill (CY's)	670
CUT	
Static Above HWL	-265
Static Below HWL	-8.1
Dynamic Above HWL	0
Dynamic Below HWL	-167
Total Cut (CY's)	-440.1
NET CUT/FILL (Neg. No. = Cut)	
Static Above HWL	190
Static Below HWL	4.9
Dynamic Above HWL	0
Dynamic Below HWL	35
Total Cut/Fill (CY's)	229.9



Clean Water Act Section 401 Water Quality Certification Application

Please refer to the “Clean Water Act Section 401 Water Quality Certification Application Guidance” document for assistance with completing this application.

A. Pre-Filing Meeting	
Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP). <i>Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.</i>	11/26/2025 Requirement waived by staff on 12/4/2025.

B. Contact Information	
Project Proponent Information	
Company Name: CADENASSO, RICHARD J ET AL	Address: 605 MOUNTAIN BL
Applicant Name: Carl Cadenasso	City: Oakland
Phone: 831-332-6943 Fax:	State: CA
Email: carlcad2@yahoo.com	Zip Code: 94611
Agent Information	
Company Name: Gordon Consulting Inc.	Address: PO Box 4470
Agent Name: Jennifer Quashnick	City: Stateline
Phone: 530-577-4233 Fax:	State: NV
Email: jennifer@gordonconsultinginc.com	Zip Code: 89449

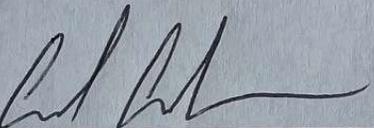
C. Project General Information			
Project Location			
Project/Site Name: 630 Lake Shore		Name of receiving waterbody: Lake Tahoe	
Address: 630 Lake Shore Blvd.		Type of waterbody present at project location (<i>select all that apply</i>): <input type="checkbox"/> Perennial River or Stream <input type="checkbox"/> Intermittent River or Stream <input type="checkbox"/> Ephemeral River or Stream <input checked="" type="checkbox"/> Lake/Pond/Reservoir <input type="checkbox"/> Wetland <input type="checkbox"/> Other: _____	
City: Zephyr Cove			
County: Douglas			
State: NV			
Zip Code: 89448			
Latitude (UTM or Dec/Deg): 38.999236		Longitude (UTM or Dec/Deg): -119.95777530	
Township:	Range:	Section:	¼ Section:

Project Details		
Project purpose:	Build/repair static rock shoreline revetment to protect property eroded by significant wind/wave action in March 2024 (and through present). Construct dynamic revetment to mitigate littoral drift/wave action impacts as required by TRPA.	
Describe current site conditions: Attachments can include, but are not limited to, relevant site data, photographs that represent current site conditions, or other relevant documentation.	See enclosed information.	
Describe the proposed activity including methodology of each project element:	See enclosed information.	
Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:	See enclosed information.	
Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:	See enclosed information.	
Provide a list of the federal permit(s) or license(s) required to conduct the activity which may result in a discharge into regulated waters (see mandatory attachments):	RGP 4	
Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:	See enclosed information.	
Total area of impact to regulated waterbodies (acres):	See enclosed information.	
Total distance of impact to regulated waterbodies (linear feet):	See enclosed information.	
Amount excavation and/or fill discharged within regulated waters (acres, linear feet, and cubic yards):	Temporary:	Permanent:
	0	See enclosed information.
Amount of dredge material discharged within regulated waters (acres, linear feet, and cubic yards):	Temporary:	Permanent:
	0	0
Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable):	N/A; no temporary fill.	

Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters: Examples include sediment and erosion control measures, habitat preservation, flow diversions, dewatering, hazardous materials management, water quality monitoring, equipment or plans to treat, control, or manage discharges, etc.	
Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:	
Describe any compensatory mitigation planned for this project (if applicable):	

D. Signature

Name and Title (Print): Carl Cadenasso	Phone Number: 831-332-6943	Date: 4-30-25
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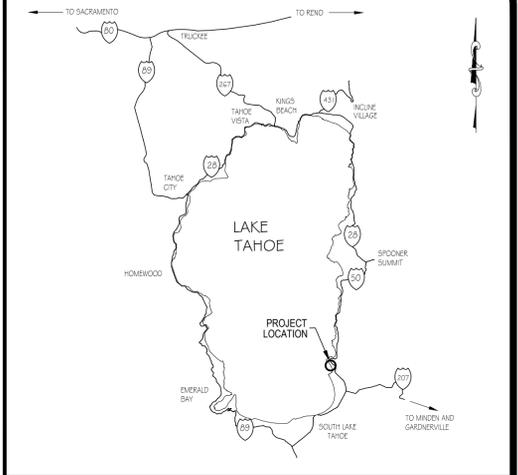

Signature of Responsible Official

Mandatory Attachments:

- **Federal Permit or License Application** - A copy of the federal permit or license application and any readily available water quality-related materials that informed the development of the federal license or permit application.
- **Site Map** - A map or diagram of the proposed project site including project boundaries in relation to regulated waters, local streets, roads, and highways.
- **Engineered Drawings** - Engineered drawings are preferred to be submitted at the 70% design level. If only conceptual designs are available at the time of application, plans for construction should be submitted prior to the start of the project. Specific locations of the proposed activities and details of specific work elements planned for the project should be identified (e.g., staging areas, concrete washouts, perimeter controls, water diversions, or other BMPs).

Submit the completed application materials to NDEP (ndep401@ndep.nv.gov) with the appropriate U.S. Army Corps of Engineers Regulatory Office copied on the communication <http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/>).

630 LAKE SHORE BLVD. SHORELINE STABILIZATION PROJECT



AREA MAP N.T.S.

PROJECT INFORMATION

OWNER: RICHARD CADENASSO
3911 HARRISON ST., #204
OAKLAND, CA 94611
(510) 817-4744

PERMITS: GORDON CONSULTING INC.
ATTN: JENNIFER QUASHNICK
297 KINGSBURY GRADE, SUITE 1185
STATELINE, NV 89449
(530) 577-4233

ENGINEER: FERRELL CIVIL ENGINEERING
ATTN: TIM FERRELL
P.O. BOX 361
TAHOE VISTA, CA 96148
(530) 546-2752

PROJ. LOCATION: 630 LAKE SHORE BLVD.
ZEPHYR COVE, NV 89448

SHEET INDEX:

T1 - TITLE SHEET/SITE PLAN
C1 - PROPOSED SHORELINE REVETMENT PLAN
D1 - DETAILS

CUT/FILL VOLUMES:

FILL (CY's)	
Static Above HWL	112.3
Static Below HWL	7.8
Dynamic Above HWL	0
Dynamic Below HWL	35.4
Total Fill (CY's)	155.5
CUT	
Static Above HWL	-74.4
Static Below HWL	-5
Dynamic Above HWL	0
Dynamic Below HWL	-19.7
Total Cut (CY's)	-99.1
NET CUT/FILL (Neg. No. = Cut)	
Static Above HWL	37.9
Static Below HWL	2.8
Dynamic Above HWL	0
Dynamic Below HWL	15.7
Total Cut/Fill (CY's)	56.4

APPROVALS:

TAHOE DOUGLAS SEWER DISTRICT:
APPROVED BY 10/2/24 EMAIL FROM JANET MURPHY

SIGNED: _____ TITLE: _____
PRINT NAME: _____ DATE: _____

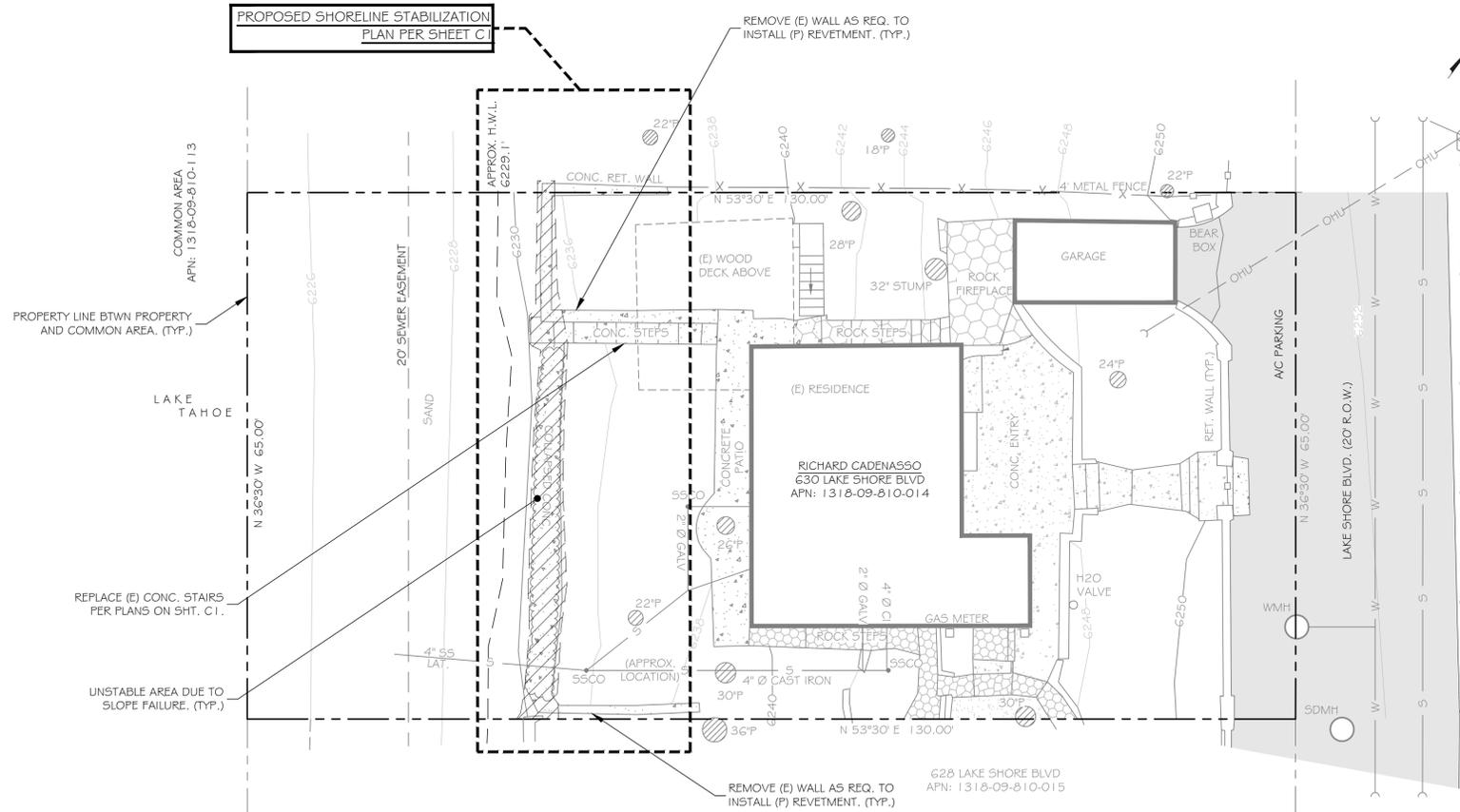
DOUGLAS COUNTY:

SIGNED: _____ TITLE: _____
PRINT NAME: _____ DATE: _____

**Call Two Working Days
Before You Dig!**



**Dig Safely. Dig Safely.
CALL: 811**



SITE PLAN OVERVIEW

SCALE: 1"=10'-0"

SURVEY/GENERAL NOTES:

- PROPOSED DESIGN BASED ON SURVEY PROVIDED BY TURNER & ASSOCIATES, INC. DATED: JULY 2024. FERRELL CIVIL ENGINEERING WILL NOT BE RESPONSIBLE FOR THE ACCURACY OF THIS SURVEY. IF CONFLICT ARISES IMMEDIATELY CONTACT F.C.E. FOR RE-DESIGN.
- THE PROPERTY LINE INFORMATION SHOWN HEREON IS FROM RECORD DATA AND DOES NOT REPRESENT A BOUNDARY SURVEY.
- OWNER AND/OR PLANNER TO VERIFY ALL EXISTING EASEMENTS, BUILDING SETBACKS AND ANY OTHER BUILDING RESTRICTIONS WHICH MAY AFFECT THIS PROPERTY/PROJECT.
- NO INVESTIGATION CONCERNING THE LOCATION OF OR EXISTENCE OF UNDERGROUND UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY. CONTRACTOR TO BE RESPONSIBLE FOR CONTACTING UNDERGROUND SERVICE ALERT PRIOR TO BEGINNING OF WORK, EVEN ON PRIVATE PROPERTY.
- THIS SURVEY WAS PREPARED WITHOUT THE USE OF A TITLE REPORT UNLESS REFERENCED HEREON, TURNER AND ASSOCIATES INC, ASSUMES NO RESPONSIBILITY FOR ANY EASEMENTS WHICH MAY AFFECT THIS PROPERTY.
- ALL ACCESS LOCATIONS WILL BE SWEEPED AT THE CLOSE OF EVERY WORK DAY. ALL CONSTRUCTION ACCESS WILL BE RESTORED AND STABILIZED TO PRE EXISTING CONDITIONS UPON COMPLETION OF THE WORK.
- TOPOGRAPHIC SURVEYS PERFORMED ON PROPERTY ON THE SHORE OF LAKE TAHOE ARE PLACED ON BUREAU OF RECLAMATION DATUM. THIS RESULTS IN THE WIDELY ACCEPTED ELEVATION OF 6223.0' FOR THE LOW WATER LINE OF LAKE TAHOE AND THE ELEVATION OF 6229.1' FOR THE HIGH WATER LINE OF LAKE TAHOE. TO CONVERT FROM BUREAU OF RECLAMATION DATUM TO NAVD88 ADD 2.9 FEET TO SPOT ELEVATIONS AND CONTOURS. TO CONVERT FROM BUREAU OF RECLAMATION DATUM TO NGVD29 SUBTRACT 1.1 FEET FROM SPOT ELEVATIONS AND CONTOURS.
- PRIOR TO REVETMENT CONSTRUCTION THE SEWER FOR THIS PROJECT WILL BE RE-ROUTED TO LAKE SHORE BLVD. VIA A SEPARATE PERMITTED PROJECT. RESIDENTS WILL NOT BE ALLOWED TO TIE BACK INTO THE 8" SEWER AFTER THE REVETMENT HAS BEEN CONSTRUCTED.
- PARCEL SIZE FOR 630 LAKE SHORE = 6,410 S.F. (0.15 AC.) TO H.W.L.
- LAKE FRONTAGE FOR 630 LAKE SHORE = 65.4 FT (APPROX.)
- BASED ON BEACH LEVEL LOOP PERFORMED ON 10/10/25, FCE HAS ADJUSTED THE BEACH CONTOURS DOWN APPROX. 2' TO REPRESENT MORE CURRENT CONDITIONS.

TRPA NOTES:

- CONTRACTOR TO HAVE THE APPROVED TRPA PERMIT AND STAMPED PLANS ON SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH THE TRPA SPECIAL AND STANDARD CONDITIONS OF APPROVAL SET FORTH IN THE PERMIT.
- THERE WILL BE NO STORAGE OF CONSTRUCTION MATERIALS IN THE SHOREZONE (INCLUDING THE BACKSHORE), EXCEPT ON EXISTING HARD LAND COVERAGE. NO CONTAINERS OF FUEL, PAINT OR OTHER HAZARDOUS MATERIALS MAY BE STORED ON THE SHORELINE.
- STAGING ACTIVITY IS PROHIBITED LAKE-WARD OF THE HIGH WATER LINE. (UNLESS ON BARGE).



2-24-26

FOR CONSTRUCTION

DRAWN BY: KSL	DESIGN BY: TKF
CHECKED BY: TKF	DWG: P:\PIERS\MARLA BAYLAKE SHORE 630

REVISION	DATE	DESCRIPTION	APPROVED	DATE

Ferrell Civil Engineering

CA #C 55546 NV #12927
P.O. Box 361, Tahoe Vista, CA 96148

www.ferrellcivilengineering.com
ferrell@fcivil.com

ph: 530.546.2752
fax: 530.546.4469

630 LAKE SHORE BLVD.

A.P.N. 1318-09-810-014

DATE: FEBRUARY 24, 2026

TITLE SHEET/SITE PLAN

SCALE: 1"=10'-0"

NEVADA W.O. NO. 630 LAKESHORE

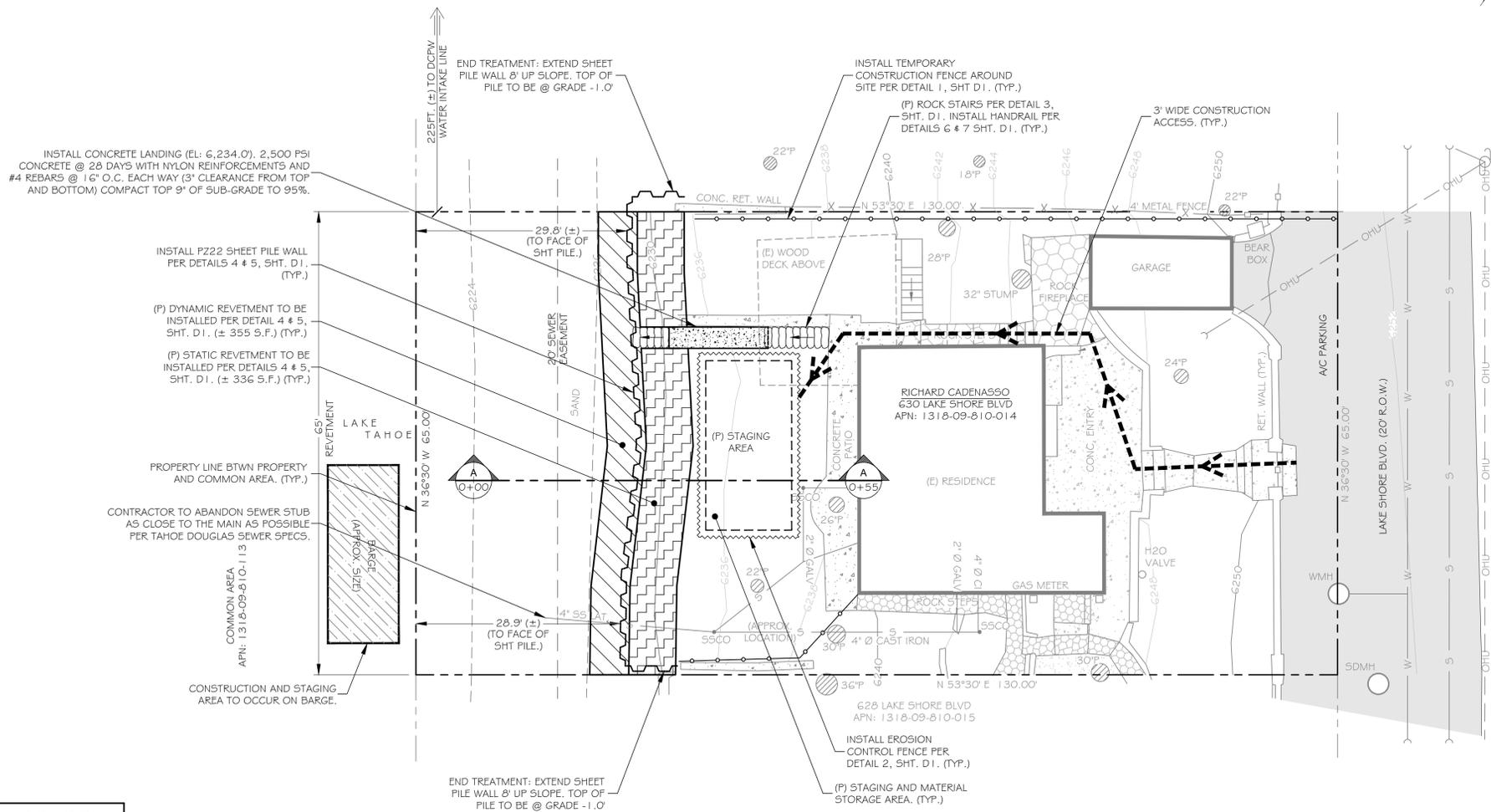
SHEET	T1
OF	3

LEGEND:

- UTILITY AS NOTED
- TREE, DIAMETER & TYPE
- DYNAMIC REVETMENT
- STATIC REVETMENT
- PAVEMENT
- APPROX. SEWER LINE
- APPROX. ELECTRIC LINE
- APPROX. WATER LINE
- APPROX. ELECTRICAL LINE
- APPROX. GAS LINE
- EASEMENT LINE
- VEGETATION PROTECTION FENCE
- EROSION CONTROL FENCE

NOTE:

EXISTING SEWER MAIN LOCATION/ DEPTH WAS DIGITIZED FROM AS BUILTS PROVIDED TO FCE AND IS APPROXIMATE. SEWER LOCATION SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO ANY CONSTRUCTION.



CONSTRUCTION PHASES/METHIDODOGY:

1. THE CONTRACTOR SHALL DRIVE THE SHEET PILE JUST LAKEWARD OF THE WALL TOE, (ENSURE 24" CLEARANCE TO SEWER MAIN), TO A DEPTH OF 5 FEET. LEAVE 36" OF SHEET PILE ABOVE GRADE TO PROTECT EXCAVATION AND SERVE AS WATER CONTAMINATION BARRIER.

THE CONTRACTOR SHALL CONSTRUCT WALL AND APPURTENANCES PER THE PLANS AND SPECIFICATIONS.

AFTER THE CONSTRUCTION IS STABLE THE CONTRACTOR SHALL DRIVE THE SHEET PILE INTO THE SAND TO A DEPTH 6" BELOW GRADE.

CONTRACTOR SHALL REPLACE THE SAND TO NATURAL GRADE SO SHEET PILE IS NOT VISIBLE FROM LAKE OR BEACH.
2. CONTRACTOR TO INSTALL 4" DIA. (±) SAND/PEBBLE BAGS 2' (MIN.) ABUTTING STATIC WALL.
3. CONTRACTOR SHALL REMOVE SEWER MAIN PER SEPARATE PROJECT PLANS.
4. CONTRACTOR SHALL INSTALL DYNAMIC REVETMENT AND REMOVE SAND BAGS.
5. ALL ROCKS TO BE PLACED IN A TIGHT 'BRICK WORK' STRUCTURE, SUCH THAT THERE ARE NO CONTACTS BETWEEN ROCKS THAT SLOPE OUT OF THE WALL.
6. WHERE ROCKS ARE PLACED ON A SIDE SLOPE, SLOPE SHALL BE KEVED IN, SO THAT THE ROCKS ARE ON HORIZONTAL SURFACE AT MIN. 12" STEPS.
7. ALL ROCKS SHALL HAVE AT LEAST ONE BEARING POINT ON SLOPE BEHIND.

PROPOSED SHORELINE REVETMENT PLAN

SCALE: 1"=10'-0"

COMP.: FCE	DESIGN: TKF	APPROVED DATE:				
DRWN: KSL	PRJ. ENG.: TKF	REV. DATE:	▲	▲	▲	▲
WORK ORDER:		DESCRIPTION:				
SCALE: AS NOTED		DATE: DECEMBER 4, 2025				
VERTICAL:						
CAD:						

CA #C 55548 NY #12927
P.O. Box 381, Tahoe Vista, CA 96148
ferrell@ferrell.com
ph. 530.548.2752
fax. 530.548.4469

FOR CONSTRUCTION

(P) SHORELINE REVETMENT PLAN

630 LAKE SHORE BLVD. SHORELINE STABILIZATION PROJECT

APN: 1318-09-010-014 ZEPHYR COVE, NV

C1

Appendix B. Aquatic Resource Inventory:

<i>Aquatic Resource Name</i>	<i>State</i>	<i>Cowardin System</i>	<i>Cowardin Class</i>	<i>HGM Class</i>	<i>Local Waterway Name</i>	<i>Measurement Type</i>	<i>Measurement Amount</i>	<i>Measurement Units</i>	<i>Waters Type</i>	<i>Latitude</i>	<i>Longitude</i>
Lake Tahoe	NEVADA					Linear	65	FOOT		38.999420 2	-119.957695 1

Appendix C. Impact Inventory:

<i>Water Name</i>	<i>Impact Name</i>	<i>Activity</i>	<i>Type of Material Being Discharged</i>	<i>Resource Type</i>	<i>Permanent Loss (Y/N)</i>	<i>Impact Duration</i>	<i>Amount Type</i>	<i>Proposed Length</i>	<i>Proposed Width</i>	<i>Proposed Amount</i>	<i>Amount Units</i>
Lake Tahoe	Static Revetment	Discharge of fill material	Rock	Lake	Yes	Permanent	Fill Area	65	8	520	Square Feet
Lake Tahoe	Dynamic Revetment	Discharge of fill material	Rock	Lake	Yes	Permanent	Fill Area	65	5	325	Square Feet

Provide any additional information you may have about the proposed quantity of wetlands, streams, or other types of waters directly affected by the proposed activity. This level of detail is helpful to better understand the type of impacts that are proposed for your project.

Net fill above HWL: 190 CY; Net fill below HWL: 39.9 CY

Definitions and help text

Water Name: The name of the wetland, stream, or other type of water that would be impacted.

Impact Name: Useful if entering more than one impact for the same or multiple waters (e.g., linear projects) and name accordingly. This may be different than the Water Name; keep it short and simple. For example, if Stream-1 is the water, the impact name could be “Crossing-1,” “Crossing-2,” “Crossing-3.” A short name helps describe the impact and is useful when looking at a list of impacts.

Activity: Options are:

- Conversion of waters type (forested wetland to emergent wetland, stream to lake)
- Discharge of dredged material
- Discharge of fill material
- Dredging (Section 10)
- Ecological restoration
- Other (Aquaculture, Work, Aerial or Submarine cable crossings)
- Removal (Sec 10 structures)
- Structure (Sec 10 only)
- Transport of dredged material (Sec 103)

Type of Material Being Discharged: Describe the material to be discharged within USACE jurisdiction. Make sure this description is consistent with your illustrations. Discharge material includes: rock, sand, clay, concrete, etc.

Resource Type: Options are Harbor/Ocean, Lake, Non-Tidal wetland, Other, Pond, River/Stream, and Tidal wetland.

Permanent Loss (Y/N): Only enter “YES” when the ‘discharge of dredged or fill material’ activity types are chosen. A permanent loss means the conversion of an aquatic resource to dry land.

Impact Duration: Options are Permanent or Temporary. An example of a temporary impact is the discharge of fill for temporary access roads that are later removed and returned to pre-construction contours.

Amount Type: Options are Area or Volume.

Amount Units: Options are Acre or Square Feet if Amount Type=Area, Cubic Yards if Amount Type=Volume.

Proposed Length and Proposed Width: Unit is linear feet.

Proposed Amount: Unit is square feet.

Appendix H. Supporting Information:

<i>Document Type</i>	<i>Document Created Date (YYYY-MM-DD)</i>	<i>Document Label</i>	<i>Information Source/Citation</i>	<i>Uploaded file name</i>
Project Plans	2026-02-10	Revetment plans	Engineer	630 LS Shorezone Stabilization Project 2-10-26.pdf

U.S. Army Corps of Engineers (USACE)
NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)

For use of this form, see 33 CFR 330; the proponent agency is CECW-CO-R.

Form Approved -
OMB No. 0710-
0003
Expires: 2027-10-31

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.

Principal Purpose Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.

Routine Uses This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.

Disclosure Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see *sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED 02/10/2026	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

<p>5. APPLICANT'S NAME</p> <p>First – Carl Middle – Last – Cadenasso</p> <p>Company –</p> <p>Company Title –</p> <p>E-mail Address – carlcad2@yahoo.com</p>	<p>8. AUTHORIZED AGENT'S NAME AND TITLE (<i>agent is not required</i>)</p> <p>First – Jennifer Middle – Last – Quashnick</p> <p>Company – Gordon Consulting Inc</p> <p>E-mail Address – jennifer@gordonconsultinginc.com</p>
<p>6. APPLICANT'S ADDRESS</p> <p>Address – 605 Mountain Blvd</p> <p>City – Oakland State – CA ZIP – 94611 Country – US</p>	<p>9. AGENT'S ADDRESS</p> <p>Address – PO Box 4470</p> <p>City – Stateline State – NV ZIP – 89449 Country – US</p>
<p>7. APPLICANT'S PHONE NOs. with AREA CODE</p> <p>a. Primary b. c. Fax</p> <p>+18313326943</p>	<p>10. AGENT'S PHONE NOs. with AREA CODE</p> <p>a. Primary b. c. Fax</p> <p>+15305774233</p>

31. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

/s/ - provided on authorized agent form

Jennifer Quashnick

02/10/2026

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Instructions for Preparing a
Department of the Army
Nationwide Permit (NWP) Pre-Construction Notification (PCN)**

Blocks 1 through 4. To be completed by the Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant's Telephone Number(s). Please provide the telephone number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by the applicant, if an agent is to be employed.

Block 12. Proposed Nationwide Permit Activity Name or Title. Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

Block 13. Name of Waterbody. Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Activity Street Address. If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

Block 15. Location of Proposed Activity. Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use. List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

Block 19. Description of the Proposed Nationwide Permit Activity. Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g., a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

Block 20. Description of Proposed Mitigation Measures. Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

Block 21. Purpose of Nationwide Permit Activity. Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity. For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands and/or of Greater Than 3/100-Acre of Stream Bed When Pre-Construction Notification is Required. Paragraphs (c) and (d) of NWP general condition 23 require compensatory mitigation at a minimum one-for-one replacement ratio for all wetland losses that exceed 1/10-acre and/or for all losses of stream bed that exceed 3/100-acre, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre and/or for losses of stream bed that exceed 3/100-acre, or provide an explanation of why the district engineer should not require wetland and/or stream compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete? Describe any work that has already been completed for the NWP activity.

Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity. If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act.

Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity. If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River.

If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit <http://www.rivers.gov/>.

Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408. If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

Block 30. Other Information Required For Nationwide Permit Pre Construction Notifications. The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

- * NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals.
- * NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
- * NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre project conditions.
- * NWP 44, Mining Activities –if reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre construction notification.
- * NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
- * NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
- * NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
- * NWP 50, Underground Coal Mining Activities –if reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

Block 31. Signature of Applicant or Agent. The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient

drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

ADDITIONAL INFORMATION AND REQUIREMENTS

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.